

Crystal and Molecular Structure of [C₆H₅C(S)NP(S)(OC₃H₇-iso)₂]₂Pd

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Abstract

The crystal and molecular structure of the palladium complex of N-diisopropoxythiophosphorylthiobenzamide [C₆H₅C(S)NP(S)(OC₃H₇-iso)₂]₂Pd was determined by single crystal X-ray diffraction. The complex is centrosymmetric, with square-planar coordination of Pd. Palladium coordinates four sulfur atoms of the C=S and P=S groups of the two ligand molecules. The C-S and P-S bond lengths in the complex are characteristic of single bonds.
